

conjunction with scheduled maintenance on such components.

(6) If the Administrator determines that part failure or system malfunction occurrence and/or repair rendered the engine unrepresentative of production engines, the engine cannot be used as a test engine.

(7) Unless waived by the Administrator, complete emission tests are required before and after any engine maintenance which may reasonably be expected to affect emissions.

(f) *Engine failure.* A manufacturer may not use as a test engine any engine which incurs major mechanical failure necessitating disassembly of the engine. This prohibition does not apply to failures which occur after completion of the service accumulation period.

§ 90.120 Certification procedure—use of special test procedures.

(a) *Use of special test procedures by EPA.* The Administrator may establish special test procedures for any engine that the Administrator determines is not susceptible to satisfactory testing under the specified test procedures set forth in subpart E of this part.

(b)(1) *Use of alternate test procedures by an engine manufacturer.* A manufacturer may elect to use an alternate test procedure provided that it yields results equal to the results from the specified test procedure in subpart E, its use is approved in advance by the Administrator, and the basis for equivalent results with the specified test procedure is fully described in the manufacturer's application.

(2) An engine manufacturer electing to use alternate test procedures is solely responsible for the results obtained. The Administrator may reject data generated under test procedures which do not correlate with data generated under the specified procedures.

§ 90.121 Certification procedure—recordkeeping.

(a) The engine manufacturer must maintain the following adequately organized records:

(1) Copies of all applications filed with the Administrator;

(2) A copy of all data obtained through the in-use testing program; and

(3) A detailed history of each test engine used for certification including the following:

(i) A description of the test engine's construction, including a general description of the origin and buildup of the engine, steps taken to insure that it is representative of production engines, description of components specially built for the test engine, and the origin and description of all emission-related components;

(ii) A description of the method used for engine service accumulation, including date(s) and the number of hours accumulated;

(iii) A description of all maintenance, including modifications, parts changes, and other servicing performed, and the date(s), and reason(s) for such maintenance;

(iv) A description of all emission tests performed including routine and standard test documentation, as specified in subpart E of this part, date(s), and the purpose of each test;

(v) A description of all tests performed to diagnose engine or emission control performance, giving the date and time of each and the reason(s) for the test; and

(vi) A description of any significant event(s) affecting the engine during the period covered by the history of the test engine but not described by an entry under one of the previous paragraphs of this section.

(b) Routine emission test data, such as those reporting test cell temperature and relative humidity at start and finish of test and raw emission results from each mode or test phase, must be retained for a period of one year after issuance of all certificates of conformity to which they relate. All other information specified in paragraph (a) of this section must be retained for a period of eight years after issuance of all certificates of conformity to which they relate.

(c) Records may be kept in any format and on any media, provided that, at the Administrator's request, organized, written records in English are promptly supplied by the manufacturer.